

The Commonwealth of Massachusetts
Executive Office of Health and Human Services
Department of Public Health
William A. Hinton State Laboratory Institute
305 South Street, Jamaica Plain, MA 02130

DEVAL L. PATRICK
GOVERNOR

TIMOTHY P. MURRAY
LIEUTENANT GOVERNOR

JUDYANN BIGBY, MD
SECRETARY

JOHN AUERBACH
COMMISSIONER

05/31/2011

Thomas Costello
Assistant District Attorney, Suffolk County

Dear ADA Costello,

Enclosed is the information you requested in regards to Commonwealth vs. [REDACTED] Included are copies of the following:

1. Curriculum Vitae for Annie Dookhan & Kate Corbett.
2. Drug Analysis Laboratory Receipt.
3. Control Cards with analytical results for samples # [REDACTED]
4. Analysis sheets with custodial chemist's hand notations and test results.
5. GC/Mass Spectral analytical data for samples # [REDACTED]

Annie Dookhan was the custodial chemist and performed the preliminary testing and net weight for this sample. Kate Corbett was the confirmatory chemist and analyzed the GC/MS data for this sample.

If you have any questions about these materials, please call me at the number below.

Sincerely,

A handwritten signature in black ink, appearing to read "Annie Dookhan".

Annie Dookhan
Chemist II
Drug Analysis Lab
Jamaica Plain, MA. 02130
(617) 983-6631

Curriculum Vitae

Annie Khan (Dookhan)

Education:

University of Massachusetts, Boston, Ma, Master of Science in Chemistry.
University of Massachusetts, Boston, Ma, Bachelor of Science in Biochemistry.

Experience:

2003 – present

Chemist I, II, Massachusetts Department of Public Health, Drug Analysis Laboratory

- *Completed six-week training course conducted by senior staff within the Department of Public Health, Drug Analysis Laboratory.
- *Appointed Assistant Analyst by Assistant Commissioner of Public Health, 2004.
- *Responsible for the identification of illicit drugs to determine violations of harmful and narcotic drug laws.
- *Trained in the use of complex analytical instrumentation, microscopes and balances for the purpose of drug analysis.
- *Maintenance and repairs of all analytical instruments.
- *Responsible for the Quality Control of all analytical instruments, reagents and controls/standards.
- * Responsible for the Quality Control/Quality Assurance program for the drug lab.
- *Notary Public.
- *Qualified as an expert witness in Massachusetts Courts and U.S. District Court

2001 – 2003

QC Analyst I, II, UMMS-Massachusetts Biologic Laboratory, QC Material Control

- *Completed proficiency training conducted by a member of the staff within the MLB Quality Control and Quality Assurance Department.
- *Method Development for creating new techniques and enhancing vaccines for the QC Dept. and FDA.
- *Writing, revising and reviewing Standard Operating Procedures (SOPs).
- *Trained and supervised new chemists and interns for the department.
- *Routine QC testing of products for the FDA.
- *Trained in the use of complex analytical instrumentation, and balances for the purpose of QC analysis for product and validation projects.
- *Calibration, preventive maintenance, QC and QA of analytical instrumentation.
- *Complete testing of chemicals for Vendor Validation Project for the FDA.
- *Compendial testing and interpretation of the USP, ACS, FCC, AOAC, Merck Index, PDR, etc.

Additional Training:

Dept. of Justice – Forensics Professionals. (numerous trainings)
GLP/GMP course with Massachusetts Biologic Laboratory.
QC/QA training according to FDA Codes and Regulations.
GC and GC/MS courses with Agilent Technologies and Restek.
HPLC course with Waters Cooperation.
FTIR course with Spectros.
TOC training with MBL and Sievers.

Association:

American Chemical Society (ACS)
Northeastern Association of Forensics Science (NEAFS)

**DRUG RECEIPT**CC # REDACTEDBOOK # 146PAGE # 130DESTRUCTION # REDACTEDDistrict/Unit B-2 B456DName & Rank of Arresting Officer PO Kornetsky ID# 98660

DEFENDANT'S NAME

ADDRESS

CITY

STATE

Dorchester

MA

DESCRIPTION OF ITEMS SUBMITTED

GROSS QUANTITY

LAB USE ONLY

GROSS WEIGHT

ANALYSIS NUMBER

Suboxone

10 Pills

5.32g

To be completed by ECU personnel only

Name and Rank of Submitting Officer Sybil White ID# 11064Received by Glo Date 3-9-10ECU Control # REDACTED

No. [REDACTED]

Date Analyzed:

7/22/10

City: Boston D.C.U. Police Dept.

Officer: P.O. SYBIL WHITE

Def: [REDACTED]

Amount: 10.0

Subst: TABS

No. Cont: 1 Cont: pb

Date Rec'd: 03/09/2010

No. Analyzed:

Gross Wt.: 5.32

Net Weight: 3.94

Tests: 1/25

• 2/24

Prelim: Buprenorphine

Findings:

B

Buprenorphine

DRUG POWDER ANALYSIS FORM

SAMPLE # [REDACTED] AGENCY Boston ANALYST AS2

No. of samples tested: _____ Evidence Wt: _____

PHYSICAL DESCRIPTION: Gross Wt (): _____

10 orange hexagonal tablet
17.186

Gross Wt (): _____

Pkg. Wt: _____

Net Wt: 3.9403



PRELIMINARY TESTS

Spot Tests

Cobalt
Thiocyanate ()

Marquis _____

Froehde's _____

Mecke's _____

Microcrystalline Tests

Gold
Chloride _____

TLTA ()

OTHER TESTS

Murometer A ()

PRELIMINARY TEST RESULTS

RESULTS By powder

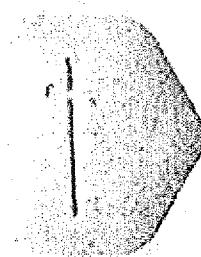
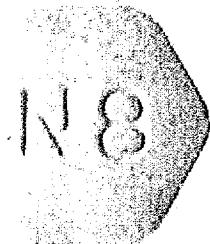
DATE 7-6-11

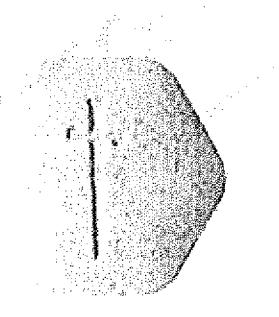
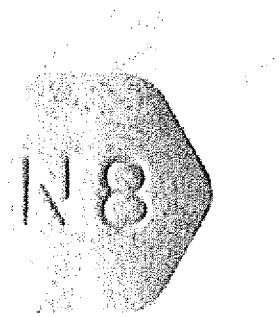
GC/MS CONFIRMATORY TEST

RESULTS By powder

MS
OPERATOR iac

DATE 7-22-10

POISINDEX® Product List**Suboxone****Regulatory-Status:** Schedule III**Ingredients****Active-Ingredients:** Naloxone - 2 MG
Buprenorphine - 8 MG**Availability & Manufacturing****Availability:** United States**Available-Container-Size:** Bottle of 30**Contact:** Reckitt Benckiser**Product ID:** 6370996**AAPCC Code:** 200625 - Buprenorphine**Registry Number:** NDC 12496-1306-02**Physical Description****Imprint:** N8; Sword Logo**Form:** Tablet**Color:** orange**Shape:** Six-sided**Images for NDC 12496-1306-02****Images for NDC 12496-1306-02**

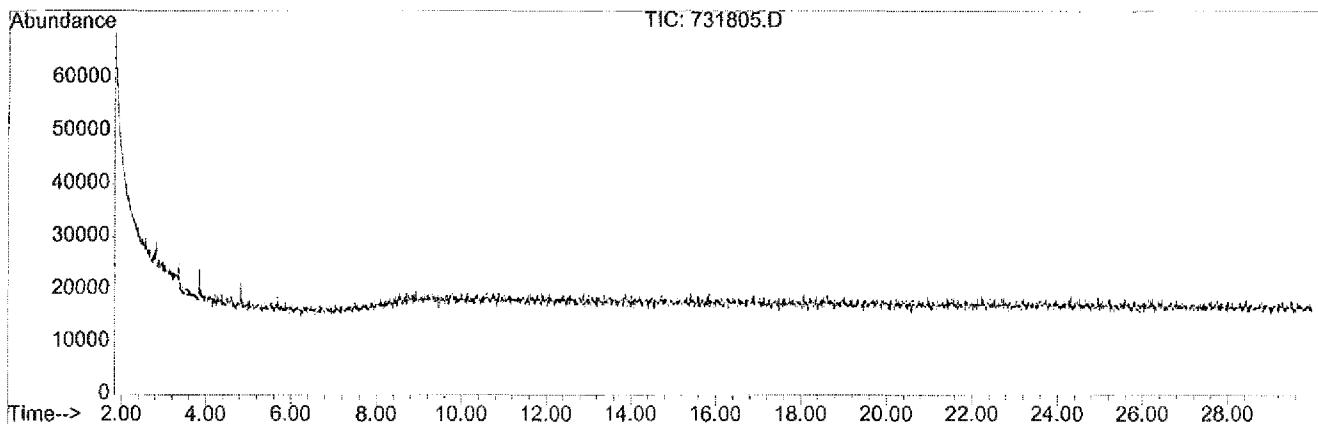


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Area Percent / Library Search Report

Information from Data File:

File Name : F:\Q3-2010\SYSTEM8\07_19_10\731805.D
Operator : ASD
Date Acquired : 19 Jul 2010 8:25
Sample Name : BLANK
Submitted by :
Vial Number : 1
AcquisitionMeth: WSCREEN
Integrator : RTE



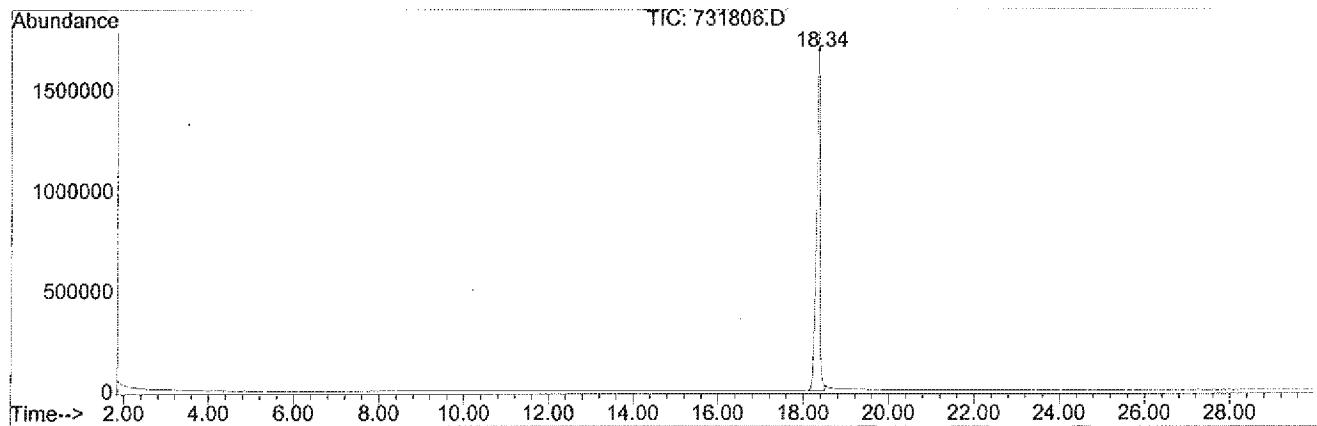
Ret. Time	Area	Area %	Ratio %
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NO INTEGRATED PEAKS

Area Percent / Library Search Report

Information from Data File:

File Name : F:\Q3-2010\SYSTEM8\07_19_10\731806.D
Operator : ASD
Date Acquired : 19 Jul 2010 8:58
Sample Name : BUPRENORPHINE STD
Submitted by :
Vial Number : 6
AcquisitionMeth: WSCREEN
Integrator : RTE



Ret. Time	Area	Area %	Ratio %
18.342	9921036	100.00	100.00

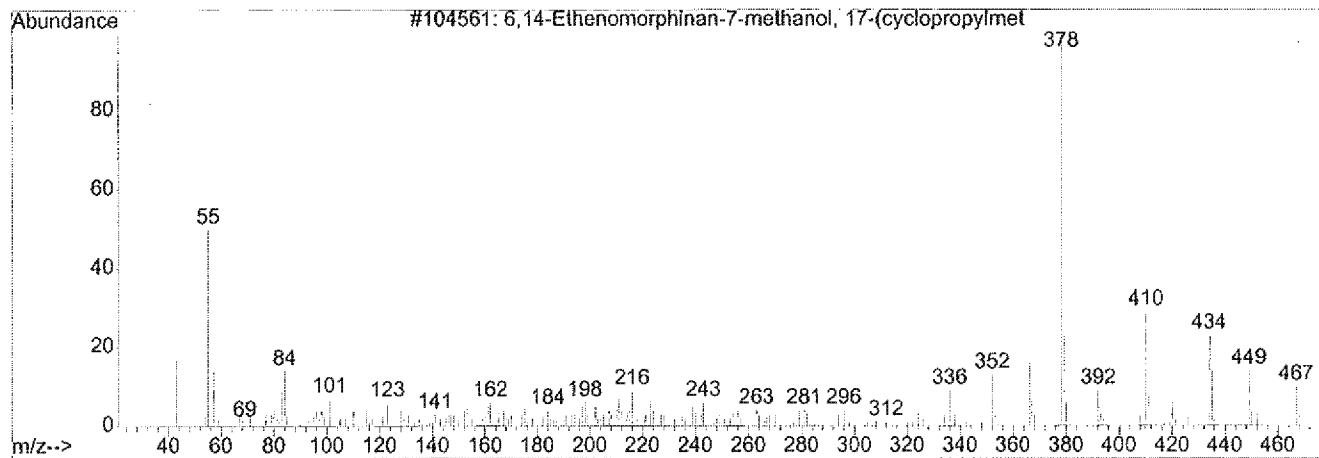
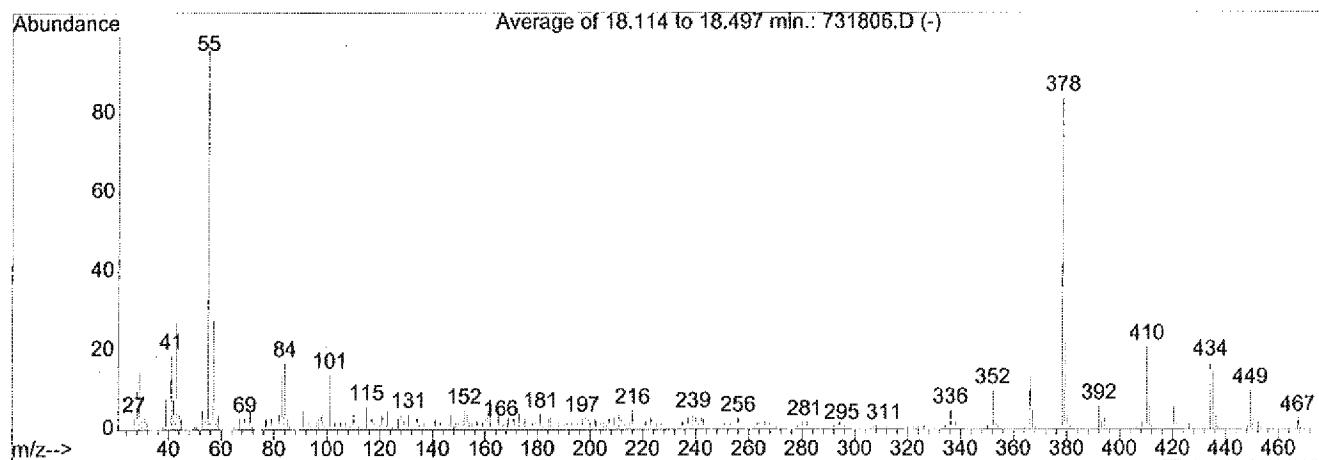
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 Operator : ASD
 Date Acquired : 19 Jul 2010 8:58
 Sample Name : BUPRENORPHINE STD
 Submitted by :
 Vial Number : 6
 AcquisitionMeth: WSCREEN
 Integrator : RTE

Search Libraries: C:\DATABASE\SLI.L Minimum Quality: 90
 C:\DATABASE\PMW_TOX2.L Minimum Quality: 90
 C:\DATABASE\NIST98.L

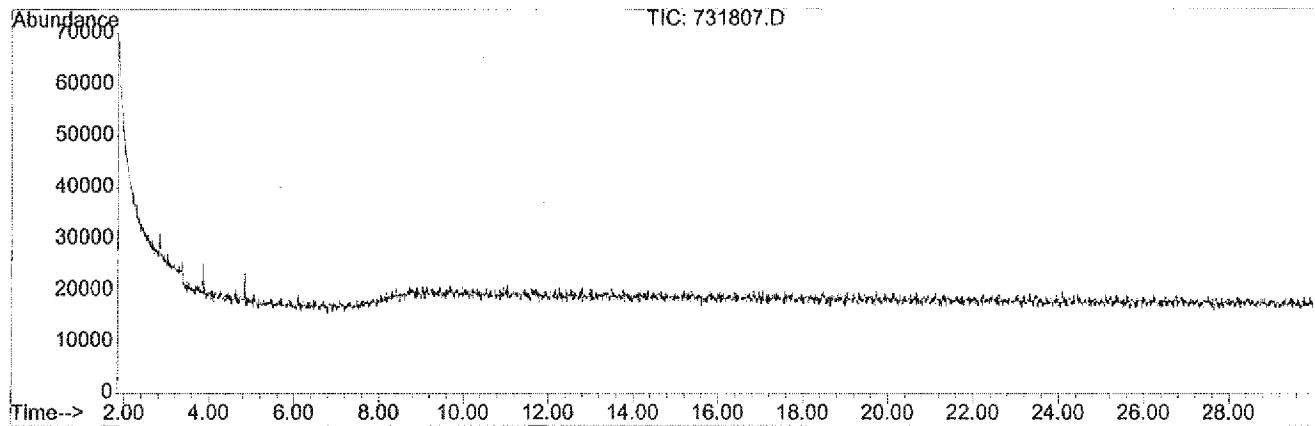
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1	18.34	C:\DATABASE\NIST98.L		
		6,14-Ethenomorphinan-7-methanol, 17	052485-79-7	95
		Anthiaergosta-5,7,9,22-tetraene	1000213-42-2	55
		Dibenzo[a,c]pentacene	000216-08-0	43



Area Percent / Library Search Report

Information from Data File:

File Name : F:\Q3-2010\SYSTEM8\07_19_10\731807.D
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Sample Name : BLANK
Submitted by :
Vial Number : 1
AcquisitionMeth: WSCREEN
Integrator : RTE



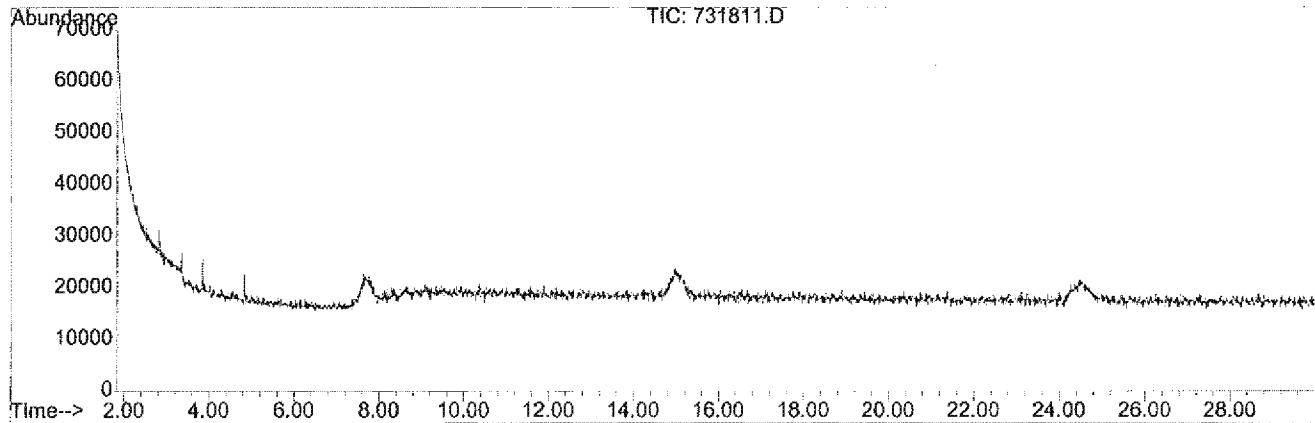
Ret. Time	Area	Area %	Ratio %
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NO INTEGRATED PEAKS

Area Percent / Library Search Report

Information from Data File:

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Date Acquired : 19 Jul 2010 11:43
Sample Name : BLANK
Submitted by : ASD
Vial Number : 1
AcquisitionMeth: WSCREEN
Integrator : RTE



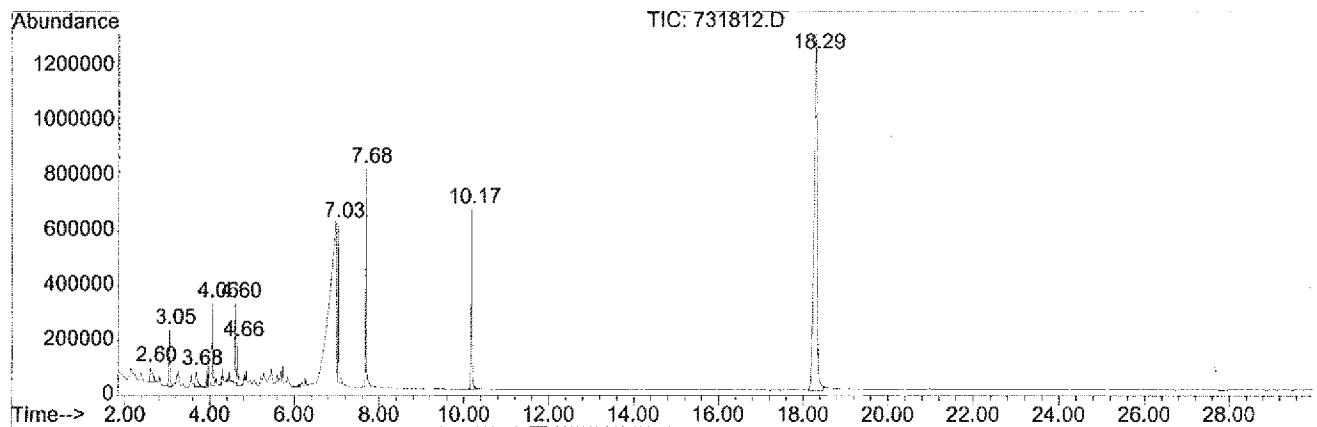
Ret. Time	Area	Area %	Ratio %
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NO INTEGRATED PEAKS

Area Percent / Library Search Report

Information from Data File:

File Name : F:\Q3-2010\SYSTEM8\07_19_10\731812.D
Operator : ASD
Date Acquired : 19 Jul 2010 12:16
Sample Name : XXXXXXXXXX
Submitted by : ASD
Vial Number : 12
AcquisitionMeth: WSCREEN
Integrator : RTE



Ret. Time	Area	Area %	Ratio %
2.597	222187	1.97	3.30
3.046	365589	3.25	5.43
3.681	204683	1.82	3.04
4.059	433241	3.85	6.43
4.598	374111	3.32	5.55
4.657	275154	2.44	4.08
7.029	615488	5.47	9.14
7.676	917122	8.14	13.61
10.167	1116076	9.91	16.57
18.288	6736567	59.83	100.00

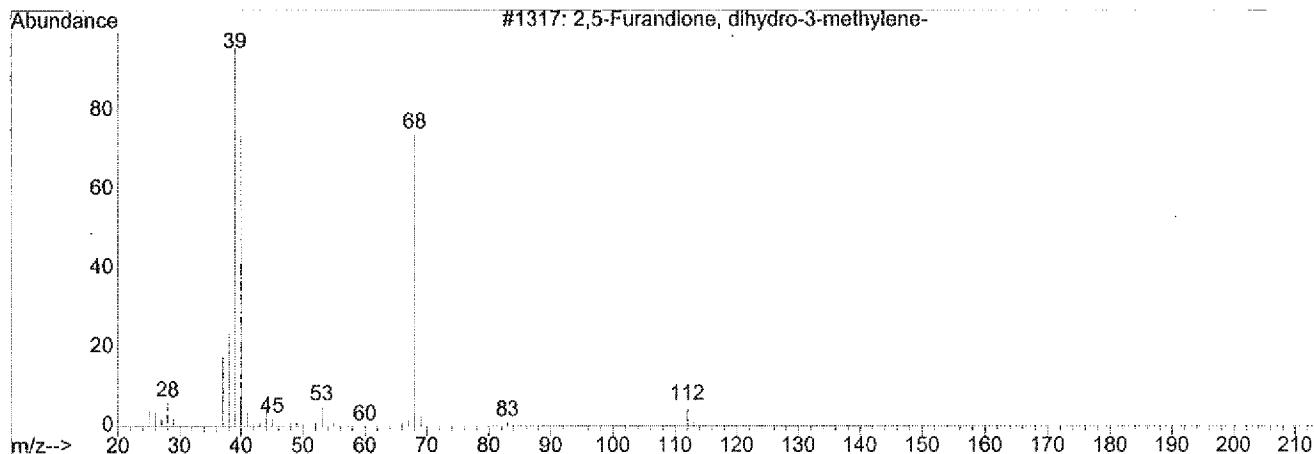
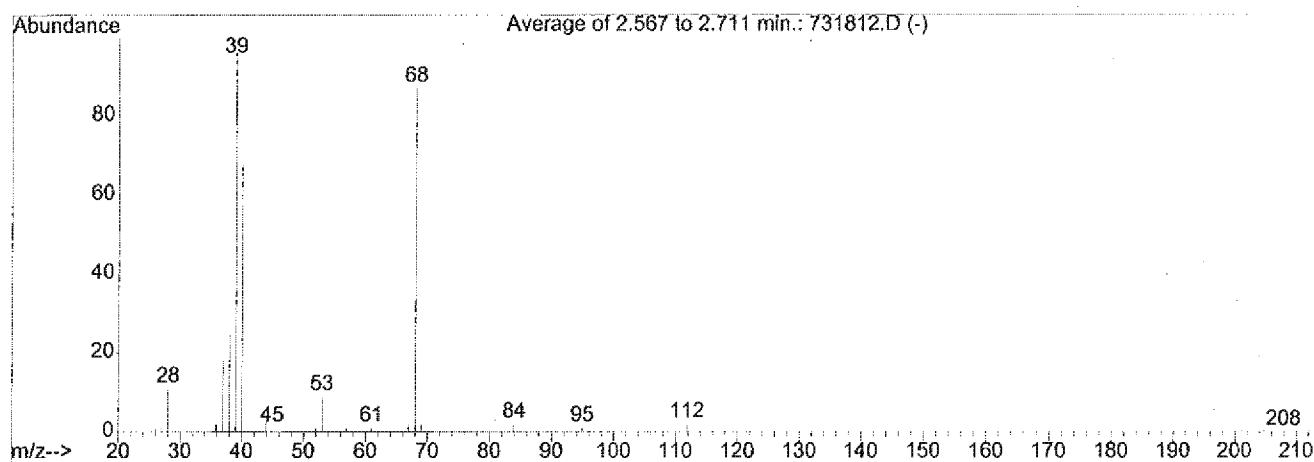
Area Percent / Library Search Report

Information from Data File:

File Name : F:\Q3-2010\SYSTEM8\07_19_10\731812.D
Operator : ASD
Date Acquired : 19 Jul 2010 12:16
Sample Name : XXXXXXXXXX
Submitted by : ASD
Vial Number : 12
AcquisitionMeth: WSCREEN
Integrator : RTE

Search Libraries: C:\DATABASE\SLI.L Minimum Quality: 90
C:\DATABASE\PMW_TOX2.L Minimum Quality: 90
C:\DATABASE\NIST98.L

PK#	RT	Library/ID	CAS#	Qual
1	2.60	C:\DATABASE\NIST98.L		
		2,5-Furandione, dihydro-3-methylene	002170-03-8	91
		2,5-Furandione, 3-methyl-	000616-02-4	83
		2H-Pyran-2-one	000504-31-4	83



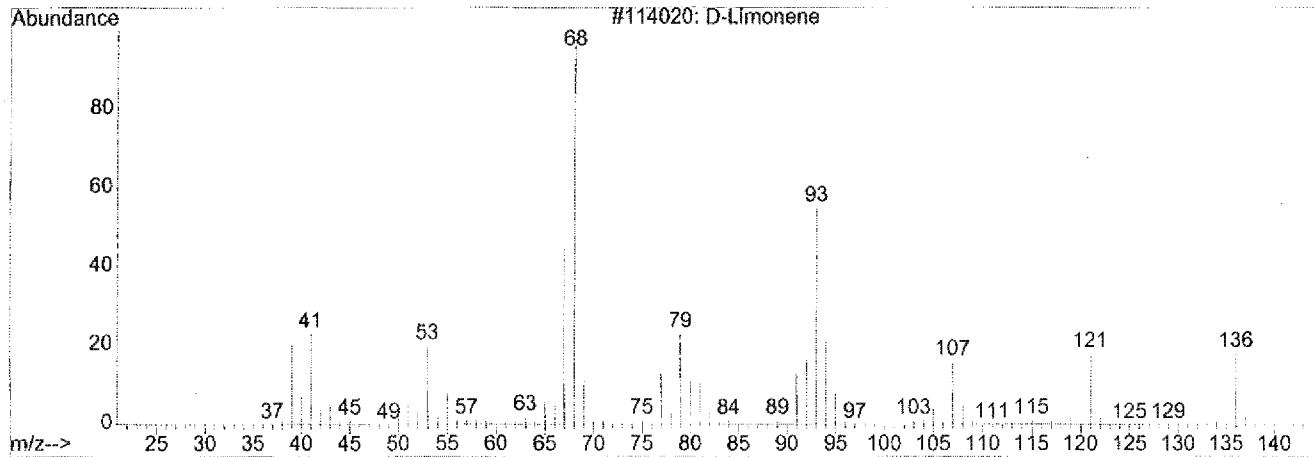
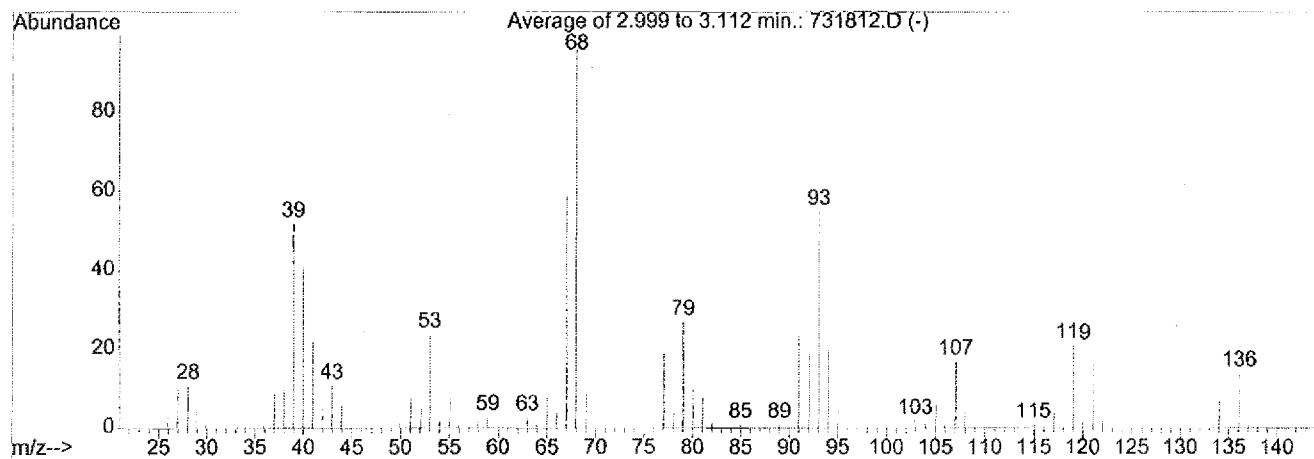
Area Percent / Library Search Report

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 Date Acquired : 19 Jul 2010 12:16
 Sample Name : XXXXXXXXXX
 Submitted by : ASD
 Vial Number : 12
 AcquisitionMeth: WSCREEN
 Integrator : RTE

Search Libraries: C:\DATABASE\SLI.L Minimum Quality: 90
 C:\DATABASE\PMW_TOX2.L Minimum Quality: 90
 C:\DATABASE\NIST98.L

PK#	RT	Library/ID	CAS#	Qual
2	3.05	C:\DATABASE\NIST98.L		
		D-Limonene	005989-27-5	93
		Limonene	000138-86-3	93
		D-Limonene	005989-27-5	93



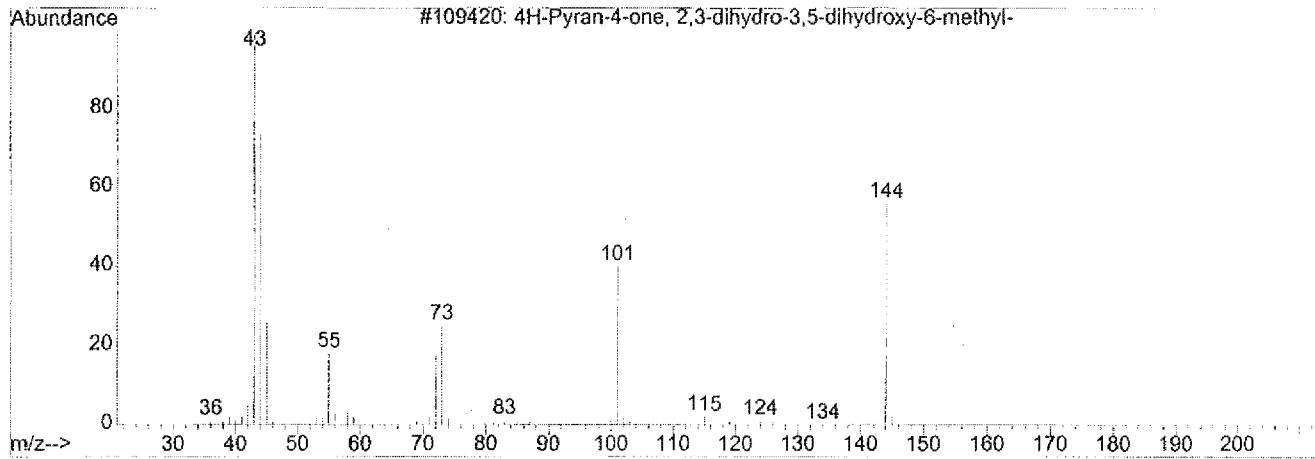
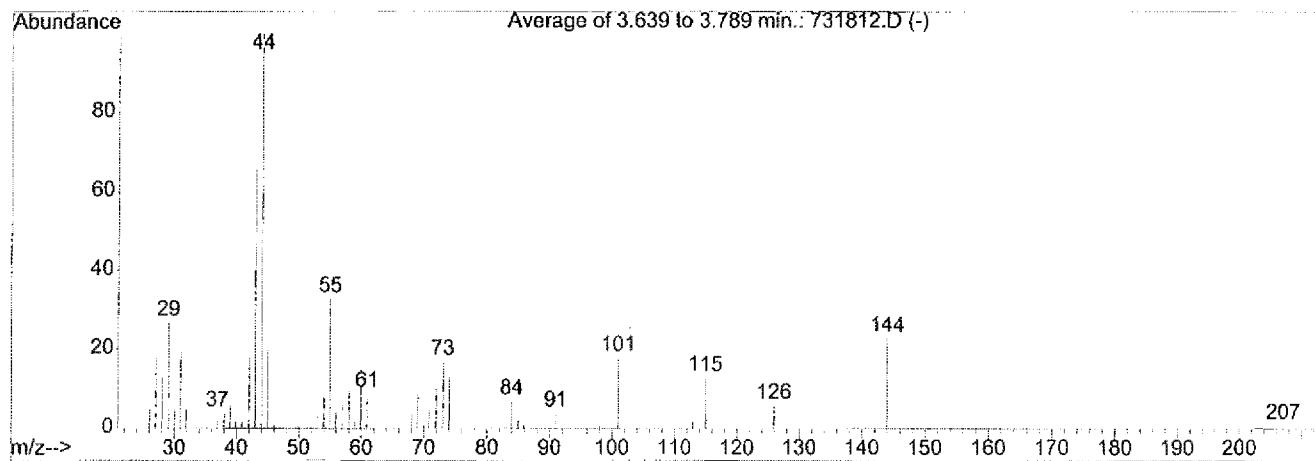
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Date Acquired : 19 Jul 2010 12:16
Sample Name : XXXXXXXXXX
Submitted by : ASD
Vial Number : 12
AcquisitionMeth: WSCREEN
Integrator : RTE

Search Libraries: C:\DATABASE\SLI.L Minimum Quality: 90
C:\DATABASE\PMW_TOX2.L Minimum Quality: 90
C:\DATABASE\NIST98.L

PK#	RT	Library/ID	CAS#	Qual
3	3.68	C:\DATABASE\NIST98.L		
		4H-Pyran-4-one, 2,3-dihydro-3,5-dih	028564-83-2	47
		2-Methylaminomethyl-1,3-dioxolane	057366-77-5	43
		o-Methylisourea hydrogen sulfate	029427-58-5	38



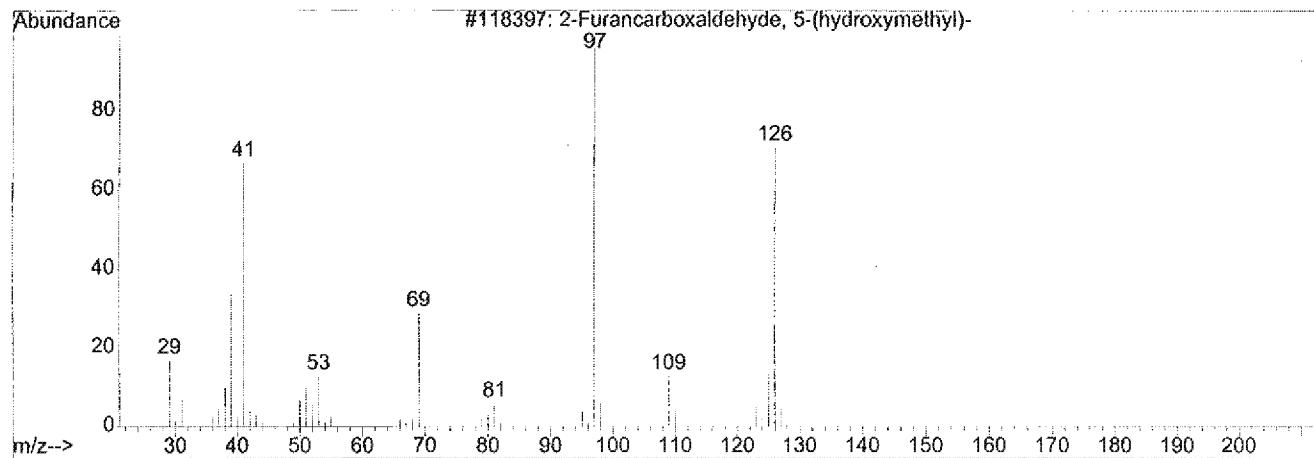
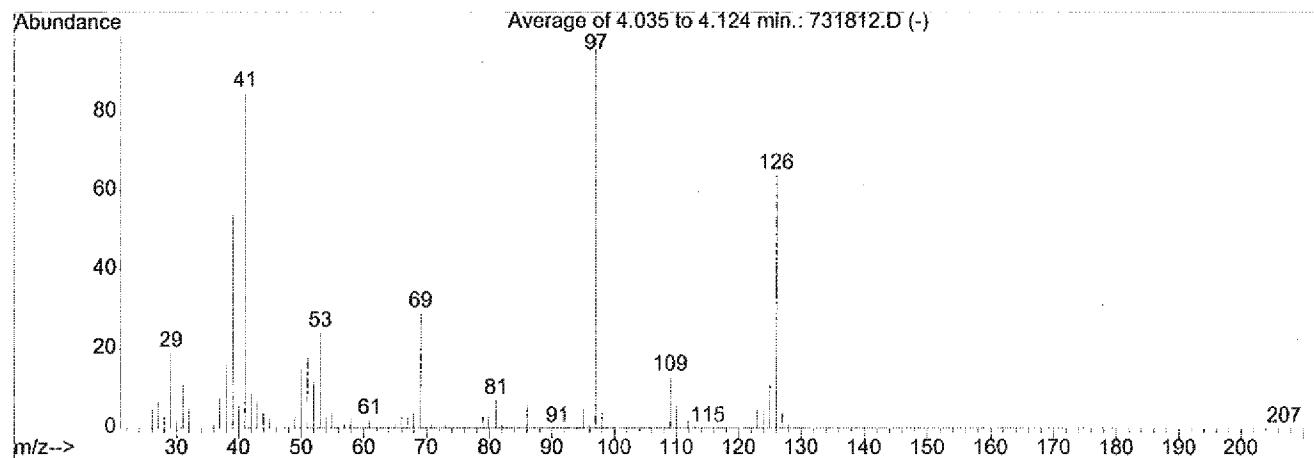
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Submitted by : ASD
Vial Number : 12
AcquisitionMeth: WSCREEN
Integrator : RTE

Search Libraries: C:\DATABASE\SLI.L Minimum Quality: 90
C:\DATABASE\PMW_TOX2.L Minimum Quality: 90
C:\DATABASE\NIST98.L

PK#	RT	Library/ID	CAS#	Qual
4	4.06	C:\DATABASE\NIST98.L		
		2-Furancarboxaldehyde, 5-(hydroxyme	000067-47-0	93
		2-Furancarboxaldehyde, 5-(hydroxyme	000067-47-0	58
		2-Furancarboxaldehyde, 5-(hydroxyme	000067-47-0	52



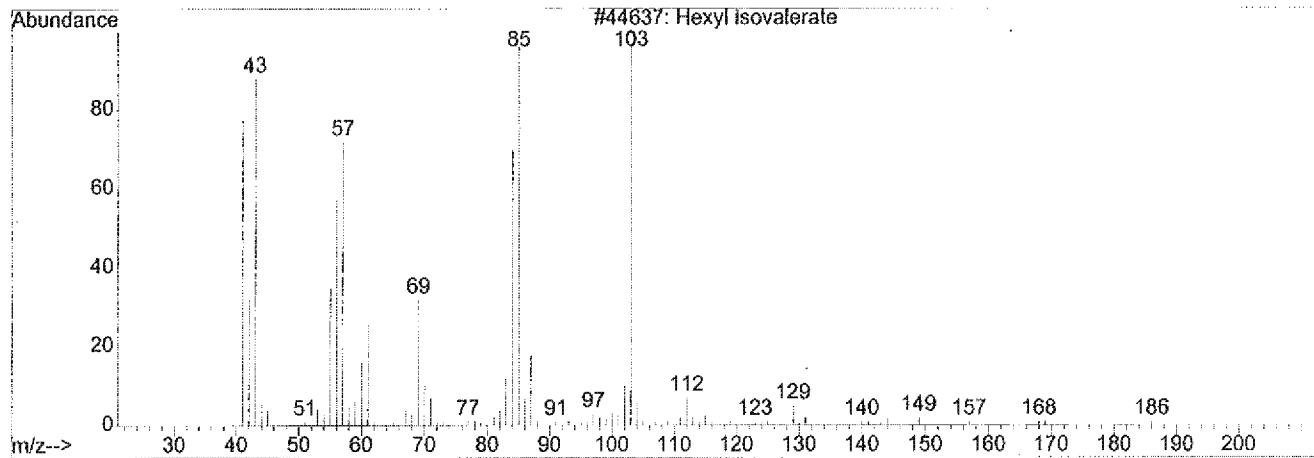
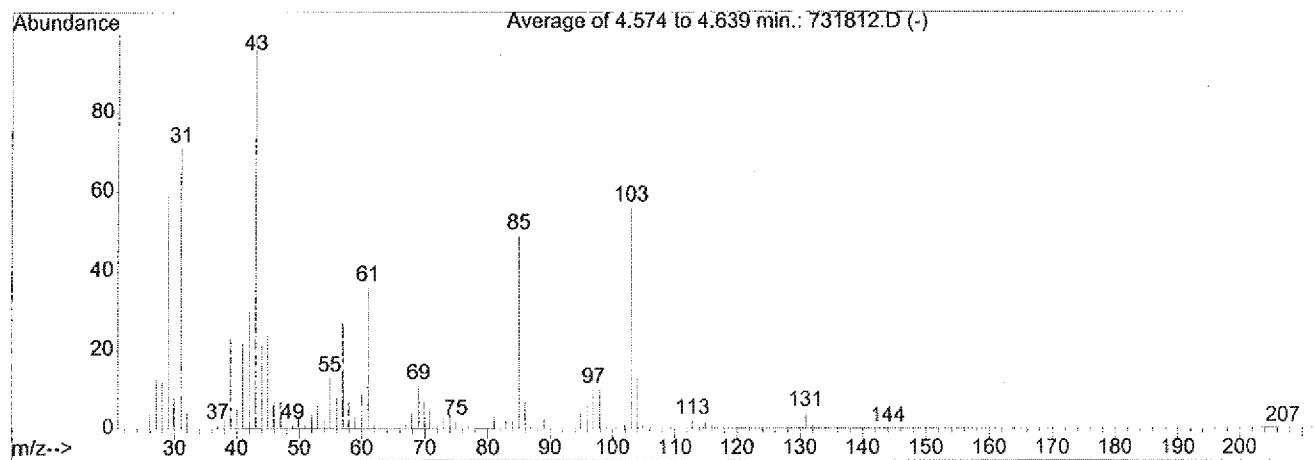
Area Percent / Library Search Report

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 Date Acquired : 19 Jul 2010 12:16
 Sample Name : XXXXXXXXXX
 Submitted by : ASD
 Vial Number : 12
 AcquisitionMeth: WSCREEN
 Integrator : RTE

Search Libraries: C:\DATABASE\SLI.L Minimum Quality: 90
 C:\DATABASE\PMW_TOX2.L Minimum Quality: 90
 C:\DATABASE\NIST98.L

PK#	RT	Library/ID	CAS#	Qual
5	4.60	C:\DATABASE\NIST98.L		
		Hexyl isovalerate	010632-13-0	42
		Butanoic acid, 3-methyl-, hexyl est	010032-13-0	33
		2-Oxazolidinethione	005840-81-3	16



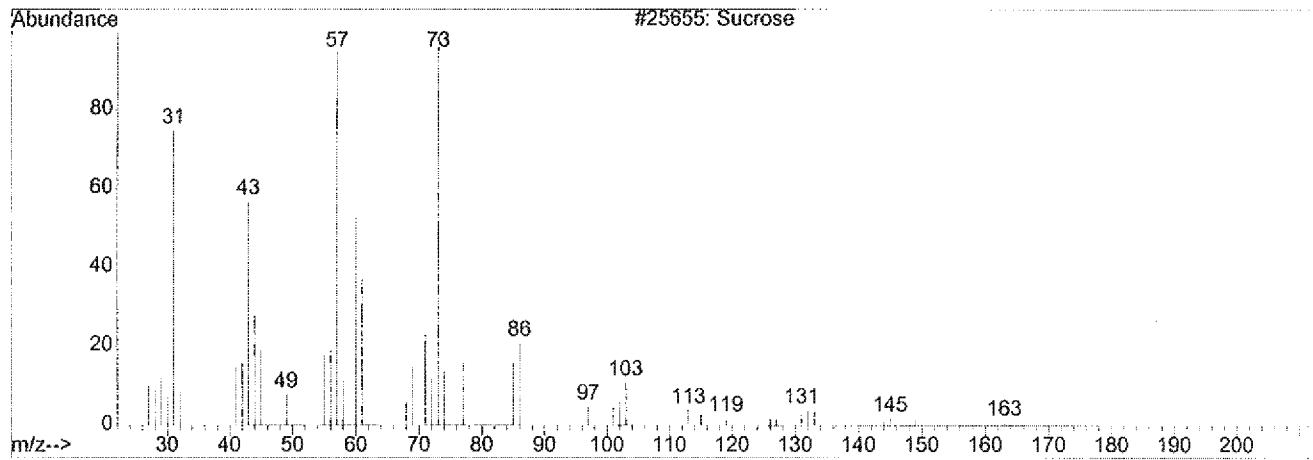
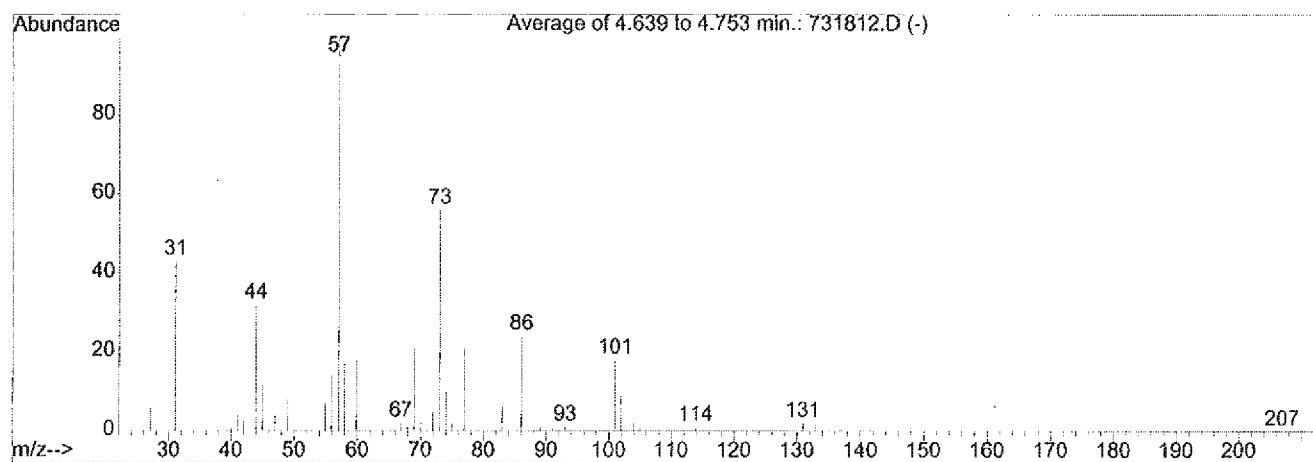
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Date Acquired : 19 Jul 2010 12:16
Sample Name : XXXXXXXXXX
Submitted by : ASD
Vial Number : 12
AcquisitionMeth: WSCREEN
Integrator : RTE

Search Libraries: C:\DATABASE\SLI.L Minimum Quality: 90
C:\DATABASE\PMW_TOX2.L Minimum Quality: 90
C:\DATABASE\NIST98.L

PK#	RT	Library/ID	CAS#	Qual
6	4.66	C:\DATABASE\NIST98.L		
		Sucrose	000057-50-1	23
		Methyl-.alpha.-d-ribofuranoside	1000129-83-1	16
		1,3-Dioxolane	000646-06-0	10



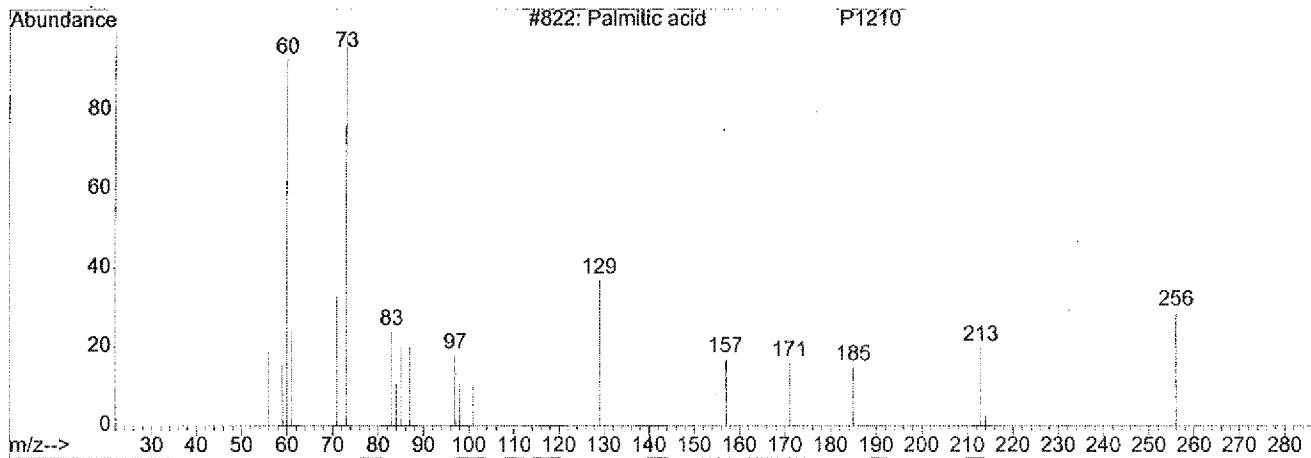
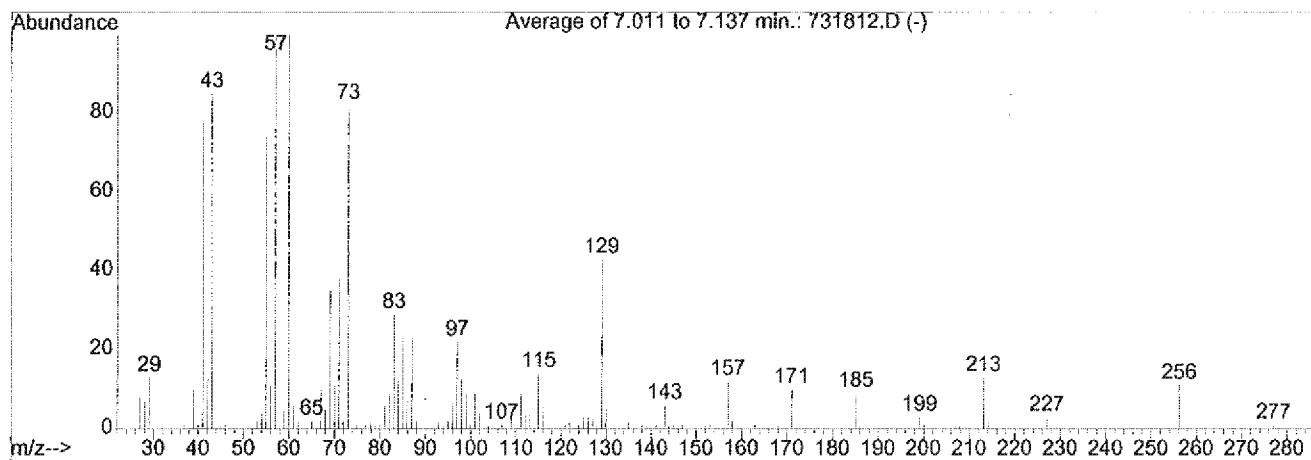
Area Percent / Library Search Report

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Operator : ASD
Date Acquired : 19 Jul 2010 12:16
Sample Name : XXXXXXXXXX
Submitted by : ASD
Vial Number : 12
AcquisitionMeth: WSCREEN
Integrator : RTE

Search Libraries: C:\DATABASE\SLI.L Minimum Quality: 90
C:\DATABASE\PMW_TOX2.L Minimum Quality: 90
C:\DATABASE\NIST98.L

PK#	RT	Library/ID	CAS#	Qual
7	7.03	C:\DATABASE\PMW_TOX2.L		
		Palmitic acid	000057-10-3	90
		Myristic acid	000544-63-8	42
		Octacosane	000630-02-4	10



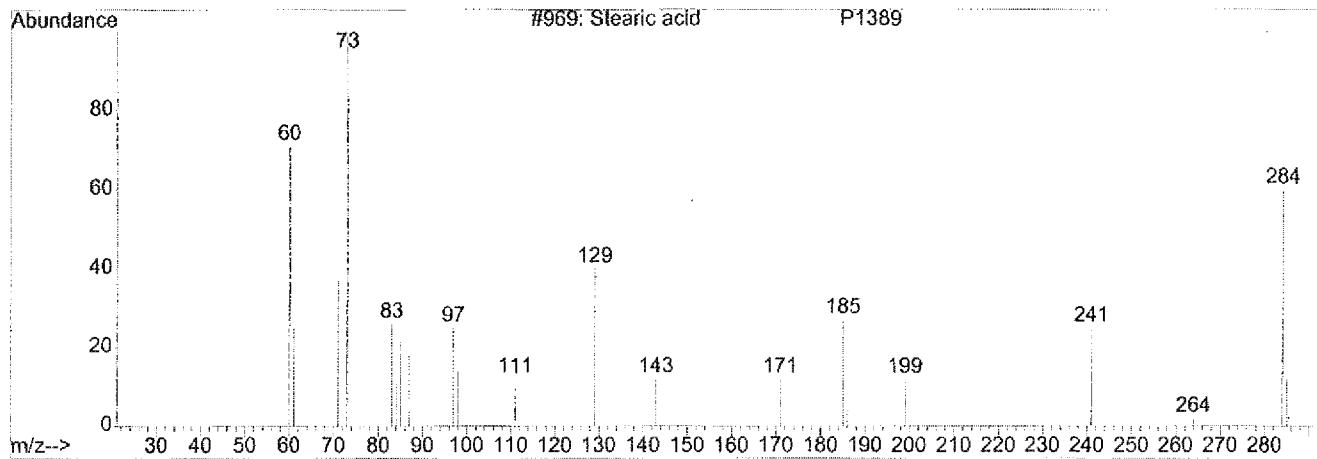
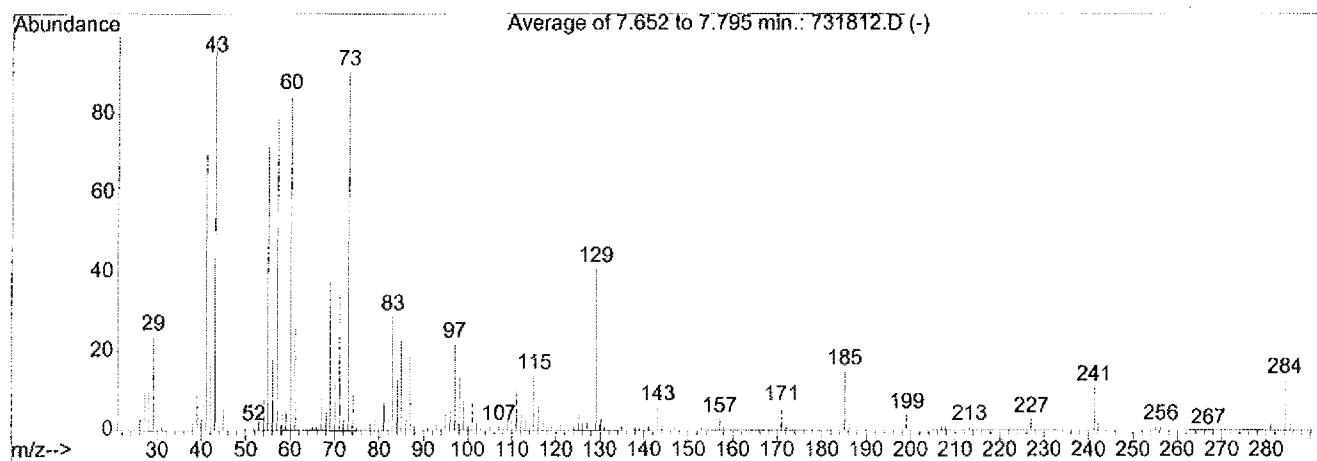
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Vial Number : 12
AcquisitionMeth: WSCREEN
Integrator : RTE

Search Libraries: C:\DATABASE\SLI.L Minimum Quality: 90
C:\DATABASE\PMW_TOX2.L Minimum Quality: 90
C:\DATABASE\NIST98.L

PK#	RT	Library/ID	CAS#	Qual
8	7.68	C:\DATABASE\PMW_TOX2.L		
		Stearic acid	000057-11-4	94
		Myristic acid	000544-63-8	74
		Linoleic acid	000060-33-3	9



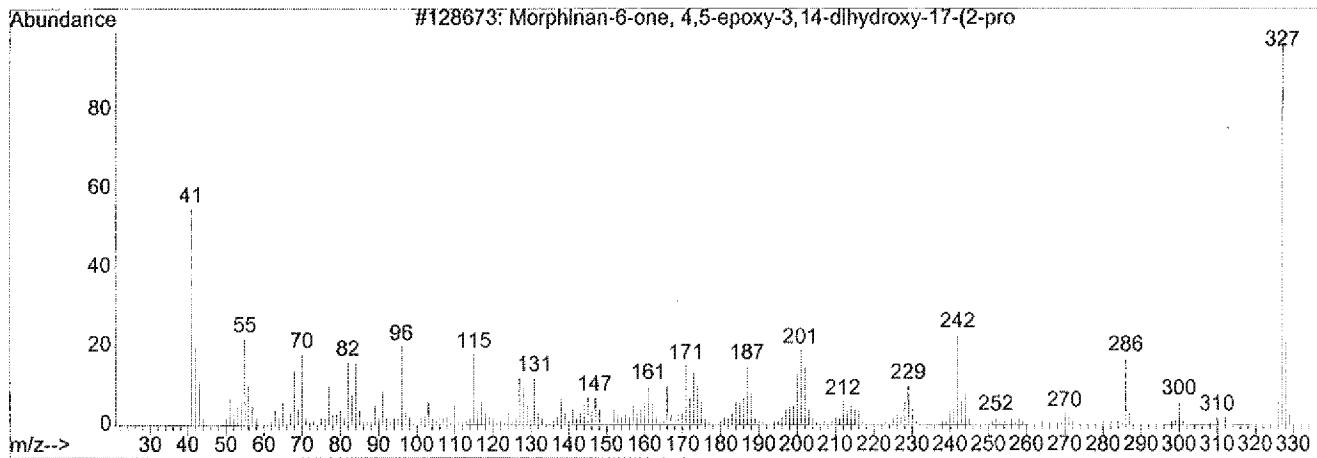
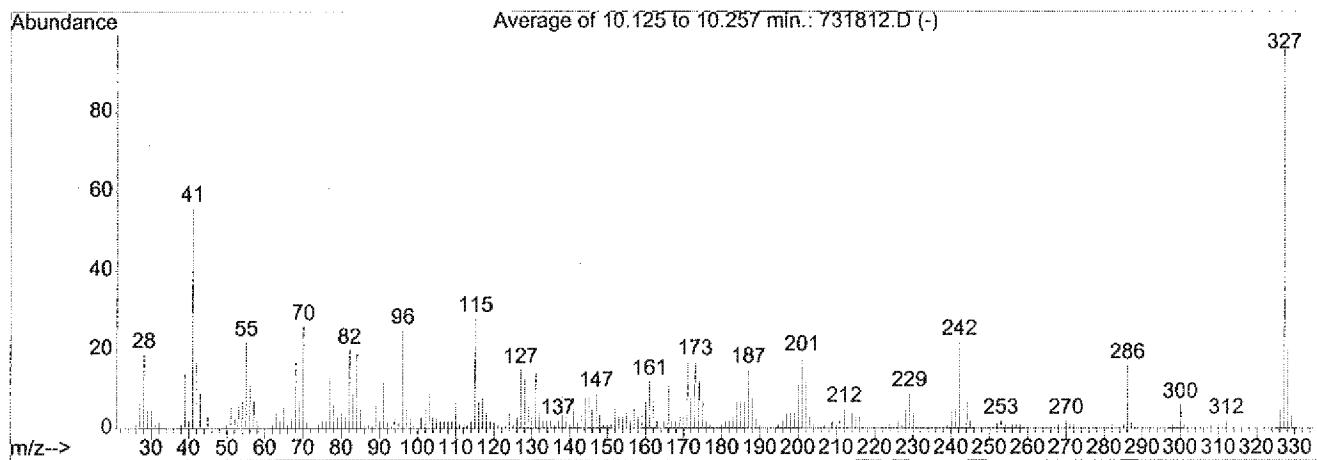
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Date Acquired : 19 Jul 2010 12:16
Sample Name : XXXXXXXXXX
Submitted by : ASD
Vial Number : 12
AcquisitionMeth: WSCREEN
Integrator : RTE

Search Libraries: C:\DATABASE\SLI.L Minimum Quality: 90
C:\DATABASE\PMW_TOX2.L Minimum Quality: 90
C:\DATABASE\NIST98.L

PK#	RT	Library/ID	CAS#	Qual
9	10.17	C:\DATABASE\NIST98.L		
		Morphinan-6-one, 4,5-epoxy-3,14-dih	000465-65-6	99
		Morphinan-6-one, 4,5-epoxy-3,14-dih	000465-65-6	99
		Morphinan-6-one, 4,5-epoxy-3,14-dih	000465-65-6	98



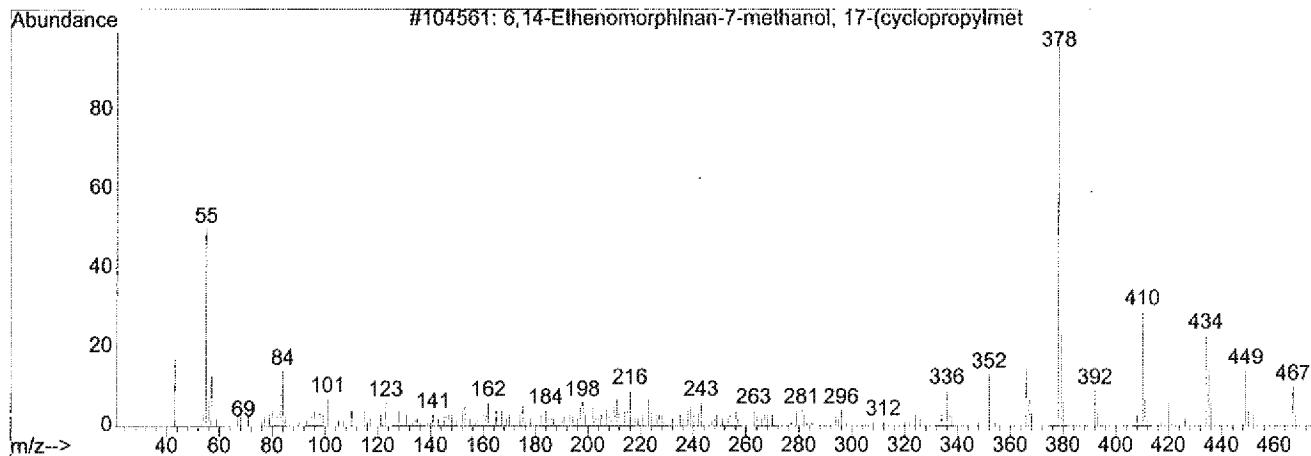
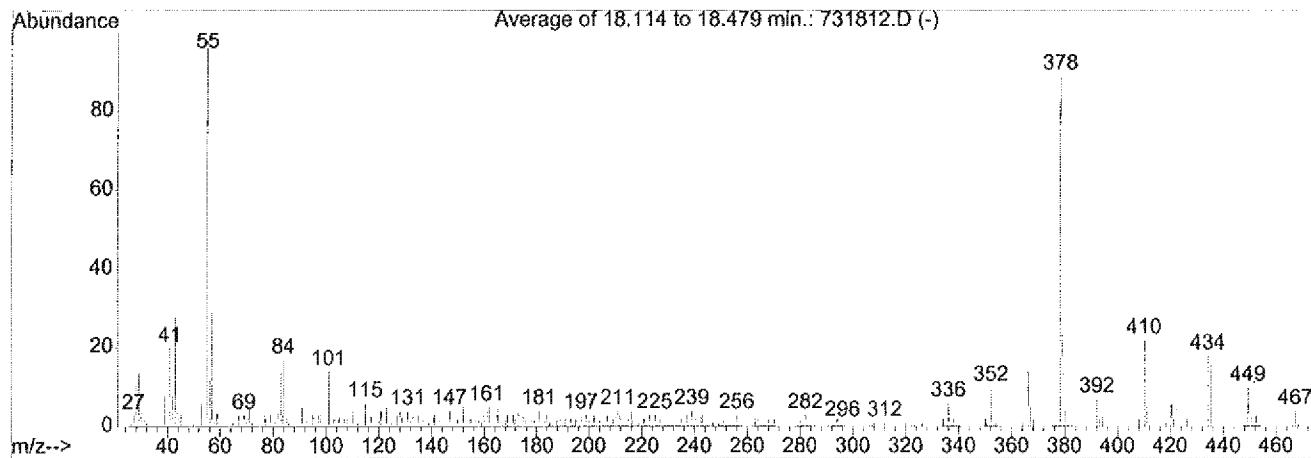
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Integrator : RTE

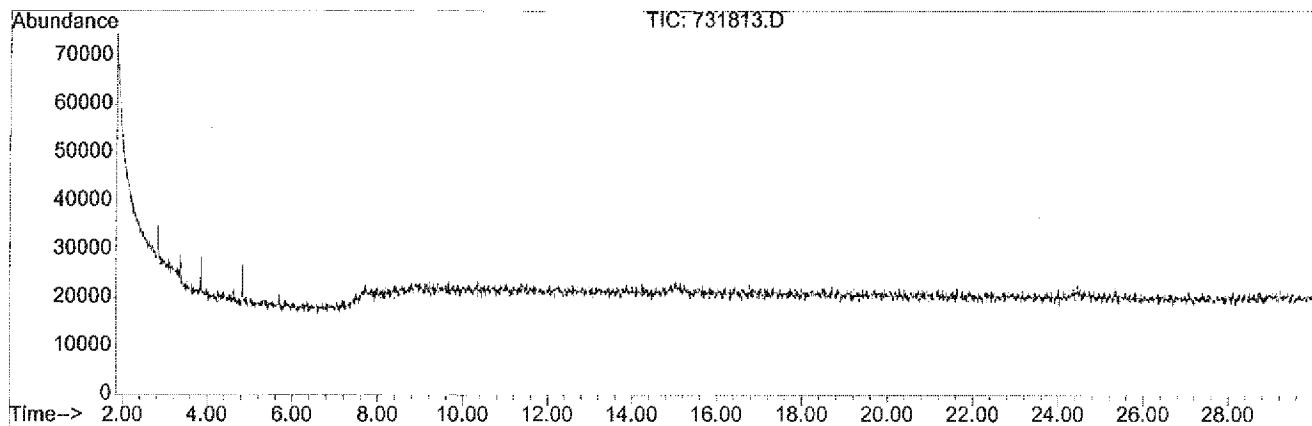
Search Libraries: C:\DATABASE\SLI.L Minimum Quality: 90
C:\DATABASE\PMW_TOX2.L Minimum Quality: 90
C:\DATABASE\NIST98.L

PK#	RT	Library/ID	CAS#	Qual
10	18.29	C:\DATABASE\NIST98.L		
		6,14-Ethenomorphinan-7-methanol, 17	052485-79-7	95
		6,14-Ethenomorphinan-7-methanol, 17	052485-79-7	83
		10-Methoxycamptothecin	019685-10-0	55



Information from Data File:

File Name : F:\Q3-2010\SYSTEM8\07_19_10\731813.D
Operator : ASD
Date Acquired : 19 Jul 2010 12:49
Sample Name : BLANK
Submitted by : ASD
Vial Number : 1
AcquisitionMeth: WSCREEN
Integrator : RTE



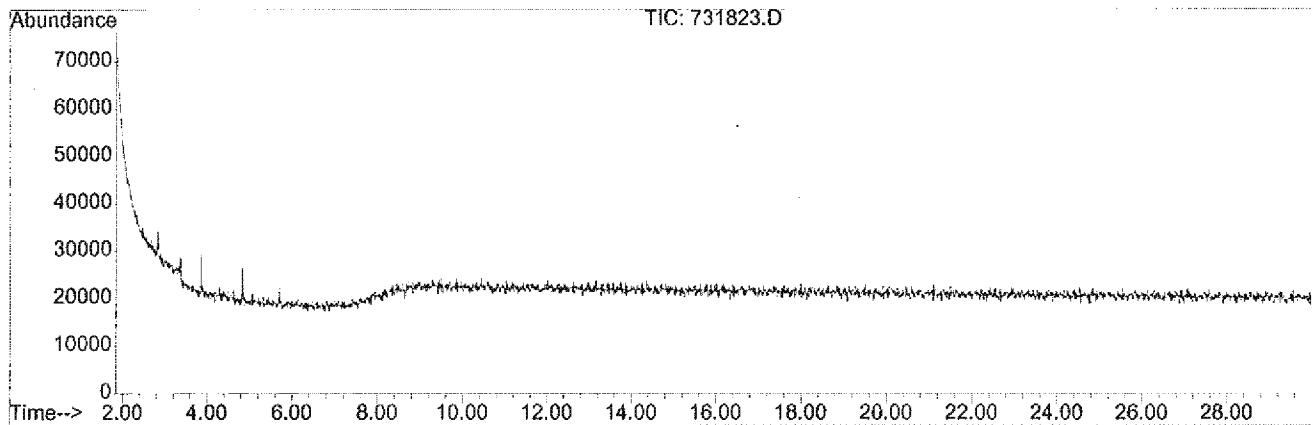
Ret. Time	Area	Area %	Ratio %
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NO INTEGRATED PEAKS

Area Percent / Library Search Report

Information from Data File:

File Name : F:\Q3-2010\SYSTEM8\07_19_10\731823.D
Operator : ASD
Date Acquired : 19 Jul 2010 18:20
Sample Name : BLANK
Submitted by :
Vial Number : 1
AcquisitionMeth: WSCREEN
Integrator : RTE



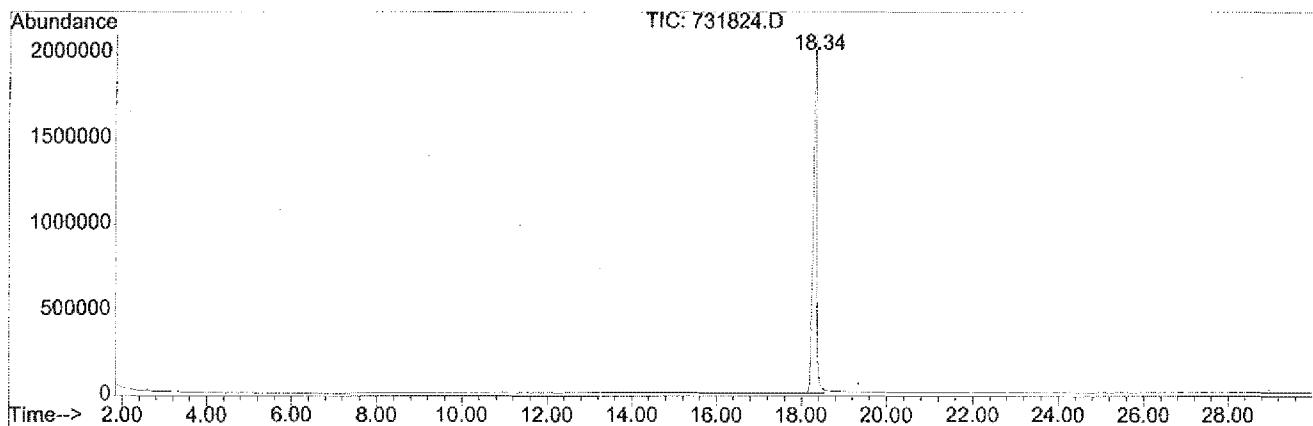
Ret. Time	Area	Area %	Ratio %
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NO INTEGRATED PEAKS

Area Percent / Library Search Report

Information from Data File:

File Name : F:\Q3-2010\SYSTEM8\07_19_10\731824.D
Operator : ASD
Date Acquired : 19 Jul 2010 18:53
Sample Name : BUPRENORPHINE STD
Submitted by :
Vial Number : 6
AcquisitionMeth: WSCREEN
Integrator : RTE



Ret. Time	Area	Area %	Ratio %
18.336	12107964	100.00	100.00

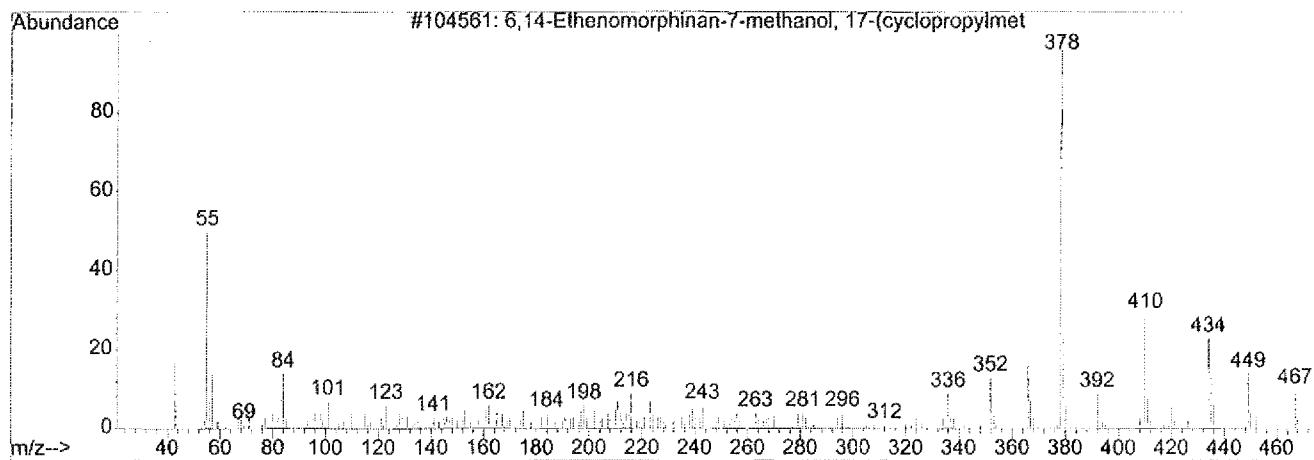
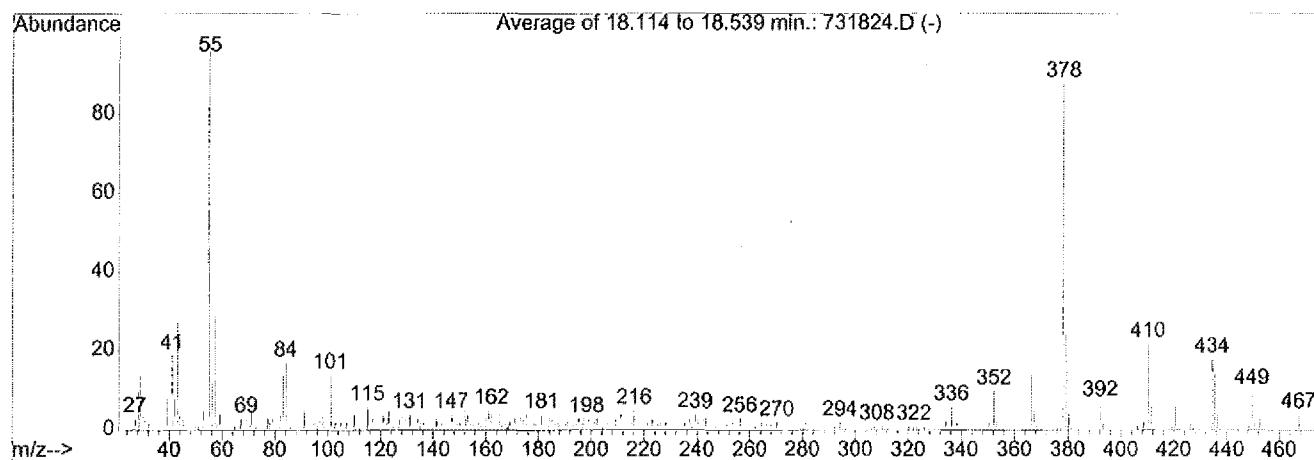
Area Percent / Library Search Report

Information from Data File:

File Name : F:\Q3-2010\SYSTEM8\07_19_10\731824.D
 Operator : ASD
 Date Acquired : 19 Jul 2010 18:53
 Sample Name : BUPRENORPHINE STD
 Submitted by :
 Vial Number : 6
 AcquisitionMeth: WSCREEN
 Integrator : RTE

Search Libraries: C:\DATABASE\SLI.L Minimum Quality: 90
 C:\DATABASE\PMW_TOX2.L Minimum Quality: 90
 C:\DATABASE\NIST98.L

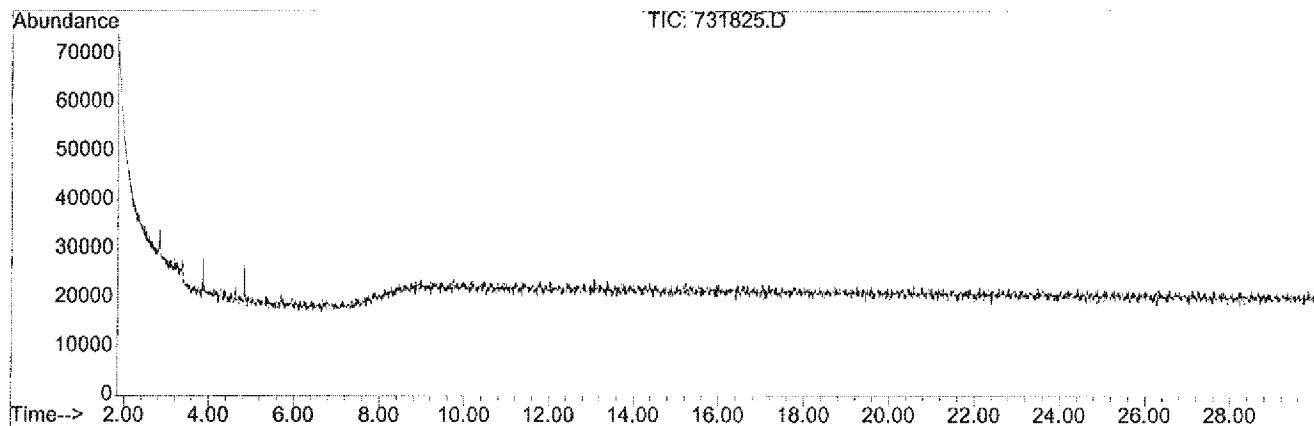
PK#	RT	Library/ID	CAS#	Qual
1	18.34	C:\DATABASE\NIST98.L		
		6,14-Ethenomorphinan-7-methanol, 17	052485-79-7	95
		6,14-Ethenomorphinan-7-methanol, 17	052485-79-7	83
		Anthiaergosta-5,7,9,22-tetraene	1000213-42-2	55



Area Percent / Library Search Report

Information from Data File:

File Name : F:\Q3-2010\SYSTEM8\07_19_10\731825.D
Operator : ASD
Date Acquired : 19 Jul 2010 19:26
Sample Name : BLANK
Submitted by :
Vial Number : 1
AcquisitionMeth: WSCREEN
Integrator : RTE



Ret. Time	Area	Area %	Ratio %
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NO INTEGRATED PEAKS